

NOTES ON THE GENUS *CLERODENDRUM* (VERBENACEAE). XXII

Harold N. Moldenke

*CLERODENDRUM* Burm.

Additional & emended bibliography: Baill., Hist. Pl. 11: 86--88. 92, 94, 95, 112, & 114--116, fig. 98--100. 1891; Mullan, Journ Indian Bot. Soc. 12: 165--182, fig. 184--197. 1931; Ramakrishnan, Proc. Indian Acad. Sci. B.34: 163. 1951; Eyster, Biol. Abstr. 26: 1184 & 3141. 1952; Ramakrishnan, Proc. Indian Acad. Sci. B.35: 112. 1952; J. F. Macbr., Field Mus. Publ. Bot. 13 (5): [Fl. Peru] 697--700. 1959; Mold., Phytologia 60: 352--368. 1986.

*CLERODENDRUM DENTICULATUM* Mold.

Additional bibliography: Mold., Phytologia 59: 251--252 (1986) and 60: 131. 1986.

A key to distinguish this species from other Cuban species will be found under *C. grandiflorum* (Hook.) Schau. in the present series of notes (60: 131).

*CLERODENDRUM DEPENDENS* A. DC.

Additional bibliography: Mold., Phytologia 59: 252. 1986.

A key to help distinguish this species from other Madagascar species will be found under *C. baronianum* Oliv. in the present series of notes (58: 184).

*CLERODENDRUM DISCOLOR* (Klotzsch) Vatke

Additional synonymy: *Siphonanthus* (*Cyclonema*) *discolor* (Kl.) Hiern, Cat. Afr. Pl. Coll. Welw. 1: 847 in textu. 1900.

Additional bibliography: Mold., Biol. Abstr. 26: 1471. 1952; Mold., Phytologia 59: 248, 255--268, 325, 333, & 492 (1986) and 60: 59, 193, & 275. 1986.

*CLERODENDRUM DISCOLOR* var. *MACROCALYX* Mold.

Additional bibliography: Mold., Biol. Abstr. 26: 1471. 1952; Mold., Phytologia 59: 264. 1986.

*CLERODENDRUM DISCOLOR* var. *RUBRICALYX* Mold.

Additional bibliography: Mold., Biol. Abstr. 26: 1471. 1952; Mold., Phytologia 59: 268. 1986.

*CLERODENDRUM DISPARIFOLIUM* Blume

Additional bibliography: Hayata, Journ. Coll. Sci. Tokyo 30: 217. 1911; Backer, Tropische Natuur 5: 91--93. 1916; Bakh. in Lam & Bakh., Bull. Jard. Bot. Buitenz., ser. 3, 3: 74, 80, 83--84, & viii. 1921; Burkill, Dicr. Econ. Prod. Malay Penins., imp. 1, 1: 591. 1935; H. N. & A. L. Mold., Pl. Life 2: 65. 1948; Burkill, Dict. Econ. Prod. Malay Penins., imp. 2, 1: 591. 1965; Mold., Phytologia 59: 325--332, 344, 409, 481, & 482 (1986) and 60: 136, 140, 267, & 368. 1986.

A key to help distinguish this species from other Thailand taxa will be found under *C. inerme* (L.) Gaertn. in the present series of notes.

An additional vernacular name reported for *C. disparifolium* is "ki bangbara".

*CLERODENDRUM DUSENII* Gürke

Additional bibliography: Mold., Phytologia 59: 333--335 & 492 (1986) and 60: 59 & 271. 1986.

A key to distinguish this species from some of its close relatives in western tropical Africa will be found under *C. inaequipetiolatum* Good in the present series of notes.

*CLERODENDRUM EBURNEUM* Chiov.

Additional bibliography: Pichi-Sermolli, Biol. Abstr. 26: 642. 1952; Mold., Phytologia 59: 335. 1986.

*CLERODENDRUM ELBERTI* H. Hallier

Additional bibliography: Mold., Phytologia 59: 339--340 (1986) and 60: 190. 1986.

*CLERODENDRUM ELEGANS* Manetti

Additional synonymy: *Clerodendron elegans* "Hort. Belg. ex Lem." apud H. J. Lam, Verbenac. Malay. Arch. 363. 1919.

Additional bibliography: Mold., Phytologia 59: 340--341. 1986.

*CLERODENDRUM EMIRNENSE* Bojer

Additional bibliography: Mold., Phytologia 59: 344--349 & 424 (1986) and 60: 133. 1986.

*CLERODENDRUM EMIRNENSE* f. *DENTATUM* Mold.

Additional bibliography: Mold., Phytologia 59: 348. 1986.

A key to distinguish this plant from other Madagascar taxa will be found under *C. baronianum* Oliv. in the present series of notes (58: 186).

*CLERODENDRUM EMIRNENSE* var. *DIFFUSUM* Mold.

Additional bibliography: Mold., Phytologia 59: 347--349. 1986.

A key to distinguish this plant from other Madagascar taxa will be found under *C. baronianum* Oliv. in the present series of notes (58: 190).

*CLERODENDRUM ERIOPHYLLOIDES* Mold.

Additional bibliography: Mold., Phytologia 59: 350--351 (1986) and 60: 60. 1986.

*CLERODENDRUM EXCAVATUM* DeWild.

Additional bibliography: Mold., Phytologia 59: 355--359, 406--407, & 478. 1986.

*CLERODENDRUM EXCAVATUM* var. *CUNEATUM* DeWild.

Additional bibliography: Mold., *Phytologia* 59: 359 & 406--407 (1986) and 60: 361. 1986.

**CLERODENDRUM FARAFANGANENSE** Mold.

Additional bibliography: Mold., *Biol. Abstr.* 26: 185. 1952; Mold., *Phytologia* 59: 407--408. 1986.

**CLERODENDRUM FASTIGIATUM** (Hunter) H. J. Lam

Additional bibliography: Prain, *Ind. Kew. Suppl.* 5, imp. 1, 248 (1921) and imp. 2, 248. 1960; Mold., *Phytologia* 59: 409. 1986.

**CLERODENDRUM FAULKNERI** Mold.

Additional bibliography: Mold., *Biol. Abstr.* 26: 1471. 1952; Mold., *Phytologia* 59: 409--411. 1986.

**CLERODENDRUM FILIPES** Mold.

Additional bibliography: Mold., *Biol. Abstr.* 26: 185. 1952; Mold., *Phytologia* 59: 411. 1986.

**CLERODENDRUM FINETII** Dop in Lecomte, *Notul. Syst.* 4: 12--13. 1920.

Additional & emended bibliography: Dop in Lecomte, *Notul. Syst.* 4: 12--13. 1920; Mold., *Phytologia* 59: 412 (1986) and 60: 142. 1986.

This species is not typified by an "unnumbered" collection, as erroneously stated by me in *Phytologia* 59: 412 (1986), but actually on *Lecomte & Finet 1731* from Angkor-Thom, 1744 from Pnom-Penh, and 1762 from Sakhandal Island, Cambodia. Dop (1920) comments that the "Espèce très voisine du *Cl. Godefroyi* O. Ktze, dont elle se distingue par la dimension des feuilles et les sépales acuminés." The ovary is subglobose and the drupes black, 5 mm. long and wide, usually containing 1 or 2 pyrenes.

**CLERODENDRUM FLORIBUNDUM** R. Br.

Additional bibliography: Stapf, *Ind. Lond.* 6: 134. 1931; Jacks. in Hook. f. & Jacks., *Ind. Kew.*, imp. 2, 1: 560 & 561 (1946) and imp. 3, 1: 560 & 561. 1960; Mold., *Phytologia* 59: 419--428 (1986) and 60: 58 & 188. 1986.

The flowers on the Clemens specimens, cited below, are badly galled, as they are also on her May 8, 1946, collection previously cited.

Additional citations: AUSTRALIA: Queensland: *M. S. Clemens s.n.* [March 17, 1946] (Or--56532), *s.n.* [May 1, 1946] (Or--56530).

**CLERODENDRUM FLORIBUNDUM** var. **LATIFOLIUM** F. Muell.

Additional bibliography: Mold., *Phytologia* 59: 422, 424, 427--428, & 463 (1986) and 60: 58. 1986.

Kuntze (1891) maintains that *Ovieda ovalifolia* A. L. Juss. belongs in the synonymy of *Clerodendrum inerme* (L.) Gaertn. instead of in that of *C. floribundum* var. *latifolium*, and in this he may be correct since its type is said to have come from Pondichery where the type of *C. ovatum* Poir. (now regarded as *C. inerme*) also originated.

**CLERODENDRUM FORTUNATUM** L.

Additional & emended bibliography: Forbes & Hemsl., Journ. Linn. Soc. Lond. Bot. 26: 260--262. 1890; Backer Tropische Natuur 5: 94. 1916; López-Palacios, Fl. Venez. Verb. 263. 1977; Mold., Phytologia 59: 464--471 (1986) and 60: 143, 181, & 282. 1986.

**CLERODENDRUM GARRETTIANUM** Craib

Additional bibliography: Mold., Phytologia 59: 481--482 (1986) and 60: 135 & 142. 1986.

Keys to help distinguish this species from other Thailand and Indian taxa will be found under *C. lnerme* (L.) Gaertn. and *C. griffithianum* C. B. Clarke 960; 135) in the present series of notes.

**CLERODENDRUM GIBBOSUM** Mold.

Additional bibliography: Mold., Biol. Abstr. 26: 185. 1952; Mold., Phytologia 59: 484--485. 1986.

**CLERODENDRUM GLABRATUM** Gürke

Additional bibliography: Mold., Phytologia 59: 485--486, 493, & 494 (1986) and 60: 59 & 275. 1986.

**CLERODENDRUM GLABRUM** E. Mey.

Additional bibliography: Mold., Phytologia 59: 486--499 (1986) and 60: 56--61 & 268. 1986.

**CLERODENDRUM GLABRUM** var. *MINUTIFLORUM* (J. G. Baker) Fosberg

Additional bibliography: Mold., Phytologia 59: 494 & 496--499. 1986.

A key to distinguish this plant from Madagascar and Comoro Islands species will be found under *C. baronianum* Oliv. in the present series of notes (58: 189).

**CLERODENDRUM GLOBOSUM** Mold.

Additional bibliography: Mold., Biol. Abstr. 26: 185. 1952; Mold., Phytologia 60: 62--64. 1986

**CLERODENDRUM GODEFROYI** Kuntze

Additional bibliography: Mold., Phytologia 60: 65--67, 141, & 142. 1986.

**CLERODENDRUM HETEROPHYLLUM** (Vent.) R. Br.

Additional bibliography: Mold., Phytologia 60: 182--188 & 362. 1986.

A key to help distinguish this species from other taxa in Madagascar will be found under *C. baronianum* Oliv. in the present series of notes (58: 189).

**CLERODENDRUM HETEROPHYLLUM** f. *ANGUSTIFOLIUM* Mold.

Additional bibliography: Mold., Phytologia 60: 185 & 187--188. 1986.

A key to distinguish this plant from its Madagascar relatives

will be found under *C. baronianum* Oliv. in the present series of notes (58: 189).

*CLERODENDRUM HIRCINUM* f. *DENTATUM* Mold.

Additional bibliography: Mold., *Phytologia* 60: 197. 1986.

A key to distinguish this plants from other Madagascar taxa will be found under *C. baronianum* Oliv. in the present series of notes (58: 186).

*CLERODENDRUM INDICUM* (L.) Kuntze

Additional bibliography: J. K. Small, *Man. Southeast. Fl.* 1144. 1933; Junell, *Symb. Bot. Upsal.* 1 (4): 101, 103, 106, & 108, fig. 156. 1934; Basu, *Indian Med. Pl.*, imp. 2, 3: pl. 747. 1935; Burkill, *Dict. Econ. Prod. Malay Penins.*, imp. 1, 1: 589. 1935; Christoffersen, *Bern. Bishop Mus. Bull.* 128: 194. 1935; Dop in Lecomte, *Fl. Gén. Indochine* 4: 850 & 853--854. 1935; Kirtikar & Basu, *Indian Med. Pl.*, ed. 2, imp. 1, 1945 & 1951--1952. 1935; H. F. MacMill., *Trop. Plant. Gard.*, ed. 4, 104. 1935; Cory, *Texas Agr. Exp. Sta. Bull.* 550: 88. 1937; Alston, *Kandy Fl.* 64. 1938; Fletcher, *Kew Bull. Misc. Inf.* 1938: 405, 425, & 431. 1938; Kanjilal, Das, Kanjilal, & De, *Fl. Assam*, imp. 1, 3: 486, 492--493, & 546. 1939; Mold., *Alph. List Comm. Vern. Names* 4 & 31. 1939; Mold., *Geogr. Distrib. Avicenn.* 2--12, 21, 22, & 37. 1939; Mold., *Lilloa* 4: 329--331. 1939; Mold., *Prelim. Alph. List Inv. Names* 18--22, 32, 33, 40, & 53. 1940; L. H. & E. Z. Bailey, *Hortus Second*, imp. 1, 188. 1941; Biswas, *Indian For. Rec.*, ser. 2, 3: 41. 1941; Chopra, *Indig. Drugs Enq.* 32. 1941; Durand & Jacks., *Ind. Kew. Suppl.* 1, imp. 2, 101. 1941; Mold., *Suppl. List Comm. Vern. Names* 2--8, 14, 15, & 17--19. 1941; Worsdell, *Ind. Lond. Suppl.* 1: 238. 1941; Mold., *Alph. List Inv. Names* 16--21, 33, 34, 40, & 56. 1942; Mold., *Known Geogr. Distrib. Verbenac.*, ed. 1, 4, 5, 10, 12, 24--30, 33, 53--55, 57, 59, 60, 63, 64, 66, 68, 69, 72, 76, & 90. 1942; Mold. in Lundell, *Fl. Texas* 3 (1): 85--86. 1942; H. F. MacMill., *Trop. Plant. Gard.*, ed. 5, imp. 1, 104. 1943; Stehlé, *Fl. Guad.* 4: 103. 1943; Menninger, *Stuart News Jan.* 1945; Mold., *Phytologia* 2: 99. 1945; Jacks. in Hook. f. & Jacks., *Ind. Kew.*, imp. 2, 1: 561 (1946) and imp. 2, 2: 386 & 916. 1946; H. F. MacMill., *Trop. Plant. Gard.*, ed. 5, imp. 2, 104. 1946; Mold., *Alph. List Cit.* 1: 18, 24, 29, 31, 34--36, 52, 53, 60, 62, 67, 70, 72, 89, 93, 105, 113, 114, 116, 118--120, 139, 140, 172, 173, 180, 196, 204, 205, 209, 211, 212, 216, 237, 249, 250, 252, 255, 265, 270, 272, 277, 286, 288, 301, 302, 317, & 323. 1946; Mold., *Alph. List Inv. Names Suppl.* 1: 6--8. 1947; H. F. MacMill., *Trop. Plant. Gard.*, ed. 5, imp. 3, 104. 1948; Mold., *Alph. List Cit.* 2: 351, 358, 408, 410, 418, 425, 428, 458, 466, 484, 486, 490, 504, 508--510, 528, 537, 544, 558, 559, 563, 572--574, 577, 582, 605, 608, 614, 618, 626, 632, & 644. 1948; Neal, *Gard. Hawaii*, ed. 1, imp. 1, 644. 1948; H. F. MacMill., *Trop. Plant. Gard.*, ed. 5, imp. 4, 104. 1949; L. H. Bailey, *Man. Cult. Pl.*, ed. 2, 845, 1051, 1105, & 1112. 1949; Mold., *Alph. List Cit.* 3: 660, 671, 706, 777, 795, 811, 822, 826, 828, 833, 835, 836, 839, 850--852, 854, 858, 866, 879, 888, 905, 924, 934, 936, 949, 951, 954, 955, & 977 (1949) and 4: 995--998, 1004, 1009, 1012, 1019,

1021, 1027, 1034, 1036, 1039, 1040, 1043, 1044, 1085, 1096, 1100, 1101, 1103, 1114, 1117, 1127--1129, 1140, 1146--1148, 1166, 1187, 1214, 1222, 1235, & 1251. 1949; Mold., Known Geogr. Distrib. Verbenac., ed. 2, 8, 9, 18, 22, 43, 46, 47, 50--57, 66--68, 123--126, 128, 131, 136, 137, 143, 144, 146, 150, 151, 158, & 182. 1949; W. L. Phillips, Cat. Pl. Fairchild Trop. Gard. 16 & 51. 1949; Sastri, Wealth India 2 (R): 231--232. 1950; H. F. MacMill., Trop. Plant. Gard., ed. 5, imp. 5, 104 (1952) and ed. 5, imp. 6, 104. 1954; Bor & Raizada, Some Beaut. Indian Clim. 143--145 & 282, fig. 90. 1954; Thorne, Amer. Midl. Nat. 52: 313. 1954; Core, Pl. Tax. 402. 1955; Hocking, Dict. Terms Pharmacog. 53. 1955; Mold. in Cheesman, Fl. Trin. Tob. 2 (4): 414--416. 1955; Mold., Verb. [Trin. Tob.] 33--34. 1955; Chopra, Nayar, & Chopra, Gloss. Indian Med. Pl. 71. 1956; H. F. MacMill., Trop. Plant. Gard., ed. 5, imp. 7, 104. 1956; Mold. in Humbert, Fl. Madag. 174: 147, 159, 161--162, 266, & 267, fog. 34 (5). 1956; Navalkar, Journ. Bomb. Nat. Hist. Soc. 53: 342. 1956; R. N. Parker, For. Fl. Punjab, ed. 3, 577. 1956; Alain in Ledn & Alain, Fl. Cuba, imp. 1, 4: 322. 1957; Rageau, Pl. Med. Nouv.-Caled. 61. 1957; Vélez, Herb. Angiosp. Lesser Antil. 117. 1957; Anon., U. S. Dept. Agr. Bot. Subj. Ind. 15: 14356. 1958; T. Cooke, Fl. Presid. Bomb., ed. 2, imp. 1, 2: 514. 1958; Abeywickrama, Ceyl. Journ. Sci. Biol. 2: 218. 1959; Anon., Kew Bull. Gen. Ind. 77. 1959; Durand & Jacks., Ind. Kew. Suppl. 1, imp. 3, 101. 1959; J. F. Macbr., Field Mus. Publ. Bot. 13 (5): [Fl. Peru] 698. 1959; Mold., Résumé 11, 12, 23, 27, 51, 55, 56, 59--63, 75, 77, 78, 88, 155, 159--161, 165, 169, 175, 177, 179, 188, 190, 193, 194, 198, 203, 205, 207, 216, 260, 263, 264, 266, 267, 269--271, 273, 319, 320, 322, 323, 344, 392, 427, & 450. 1959; Mold., Résumé Suppl. 1: 12. 1959; Emberger in Chadefaud & Emberger, Traité Bot. 2: 831, fig. 1177. 1960; Jacks. in Hook. f. & Jacks., Ind. Kew., imp. 3, 1: 561 (1960) and imp. 3, 2: 386 & 916. 1960; Nath, Bot. Surv. South. Shan 305. 1960; Prain, Ind. Kew. Suppl. 5, imp. 2, 62. 1960; Cave, Ind. Pl. Chromos. Numb. 2: 136. 1961; Deb, Bull. Bot. Surv. India 3: 314. 1961; Haines, Bot. Bihar Oris., ed. 2, 2: 755 & 757. 1961; Hundley & Ko in Lace, Trees Shrubs Burma, ed. 3, 203. 1961; Tiwari & Garg, Indian Journ. Pharm. 23: 77--78. 1961; Willam. & Schubert, Agr. Res. Serv. U. S. Dept. Agr. Tech. Bull. 1234: 236. 1961; Gerth van Wijk, Dict. Plantnames, imp. 2, 1: 335 (1962) and imp. 2, 2: 1517. 1962; Harler, Gard. Plains, ed. 4, 159. 1962; H. F. MacMill., Trop. Plant. Gard., ed. 5, imp. 8, 104. 1962; Mold., Résumé Suppl. 3: 3, 17, 25--28, & 30 (1962) and 4: 2. 1962; Nair & Rehmann, Bull. Nat. Bot. Gard. Lucknow 76: 14 & 16. 1962; Sobti & Singh, Proc. Indian Acad. Sci. B.54: 141 & 143. 1962; Legris, Trav. Sect. Scient. Inst. Franç. Pond. 6: 547 & 561. 1963; Maheshwari, Fl. Delhi 283 & 284. 1963; Malaviya, Proc. Indian Acad. Sci. B.58: 352, 357, & 358. 1963; Mold., Dansk Bot. Arkiv 23: 89. 1963; Patil, Bull. Bot. Surv. India 5: 20. 1963; Prain, Bengal Pl., imp. 2, 2: 623 & 624. 1963; Raman & Kesavan, Sci. Cult. 29: 609--610. 1963; Sharma & Mukhopadhyay, Journ. Genet. 58: 359--361, 363, 373, 375, 379, & 381, pl. 9, fig. 11 & 12. 1963; Srinivasan & Agarwal, Bull. Bot. Surv. India 5: 86. 1963; Cave, Ind. Pl. Chromos. Numb. 2: 330. 1964. [to be continued]